## PH298 - R1AT / 1SN ABRAZON - X MSHA




**Applicable Standard :** SAE J517-100R1AT / EN 853-1SN / ISO 1436

## Construction

| | |
|---|---|
| **Inner tube** | Black Color, Synthetic rubber resistant to oil and water |
| **Reinforcement** | Single steel wire braid |
| **Cover** | Abrazon-X Black, Exceptionally abrasion, oil, ozone resistant synthetic rubber sheathed with layer of UHMW-PE foil. |
| **Application** | Medium Pressure Hydraulic Lines 10 to 250 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipment and machineries/systems |

**Note :**

- Sizes 2-1/2" to 4" are not covered under SAE J517-100R1AT/EN 853-1SN

| Item Code | Dash Size | DN | ID | | OD | | WP | | BP | | BR/r | | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | kg/m |
| PH298-03 | -03 | 05 | 3/16 | 5.1 | 0.45 | 11.5 | 3625 | 250 | 14500 | 1000 | 3.5 | 90 | 0.205 |
| PH298-04 | -04 | 06 | 1/4 | 6.7 | 0.52 | 13.1 | 3265 | 225 | 13050 | 900 | 3.9 | 100 | 0.262 |
| PH298-05 | -05 | 08 | 5/16 | 8.2 | 0.58 | 14.7 | 3120 | 215 | 12470 | 860 | 4.5 | 115 | 0.283 |
| PH298-06 | -06 | 10 | 3/8 | 9.8 | 0.67 | 17.1 | 2610 | 180 | 10440 | 720 | 4.9 | 125 | 0.383 |
| PH298-08 | -08 | 12 | 1/2 | 13.1 | 0.80 | 20.2 | 2320 | 160 | 9280 | 640 | 7.1 | 180 | 0.438 |
| PH298-10 | -10 | 16 | 5/8 | 16.2 | 0.92 | 23.3 | 1885 | 130 | 7540 | 520 | 7.9 | 200 | 0.536 |
| PH298-12 | -12 | 19 | 3/4 | 19.3 | 1.07 | 27.3 | 1525 | 105 | 6090 | 420 | 9.4 | 240 | 0.675 |
| PH298-16 | -16 | 25 | 1 | 25.9 | 1.39 | 35.3 | 1305 | 90 | 5150 | 355 | 11.8 | 300 | 1.008 |
| PH298-20 | -20 | 31 | 1.1/4 | 32.4 | 1.69 | 43.0 | 945 | 65 | 3700 | 255 | 16.5 | 420 | 1.443 |
| PH298-24 | -24 | 38 | 1.1/2 | 38.7 | 1.97 | 50.1 | 725 | 50 | 2900 | 200 | 19.7 | 500 | 1.735 |
| PH298-32 | -32 | 51 | 2 | 51.3 | 2.50 | 63.4 | 580 | 40 | 2320 | 160 | 24.8 | 630 | 2.352 |
| PH298-40 | -40 | 63 | 2.1/2 | 63.5 | 2.99 | 76.0 | 580 | 40 | 2105 | 145 | 29.9 | 760 | 2.640 |
| PH298-48 | -48 | 76 | 3 | 76.2 | 3.56 | 90.5 | 510 | 35 | 2030 | 140 | 35.4 | 900 | 3.798 |
| PH298-64 | -64 | 100 | 4 | 101.6 | 4.61 | 117.0 | 145 | 10 | 580 | 40 | 46.1 | 1170 | 4.928 |

**Temperature Range** : Continuous: -40°C to +100°C

**Intermittent** : +120°C

**Impulse Cycles** : 150,000; Tested upto 300,000 cycles, upto 1" I.D